Index of Claims

| Appl | lication | <b>Control</b> | No. |
|------|----------|----------------|-----|

10/644,708 Examiner

Joseph L. Williams

Applicant(s)/Patent under Reexamination

SENBONMATSU, SHIGERU

Art Unit

2879

| <b>√</b> | Rejected |
|----------|----------|
| II       | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| - | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla   | aim      |          | _        |          |          | Dat          | e               | ,              |                 |          |          | Cla       | im       |           |           |           | D        | ate       |                         |              |        | ]   | Cl                     | aim        |          | _               |          |          | Date     | e        |           | _         |           |
|-------|----------|----------|----------|----------|----------|--------------|-----------------|----------------|-----------------|----------|----------|-----------|----------|-----------|-----------|-----------|----------|-----------|-------------------------|--------------|--------|-----|------------------------|------------|----------|-----------------|----------|----------|----------|----------|-----------|-----------|-----------|
| _     | 區        | 35       |          |          |          |              |                 |                |                 |          | _        | $\prod$   | a        |           |           |           | Ī        | T         |                         |              |        |     | _                      | lar        |          |                 |          |          |          |          |           |           |           |
| Final | Original | 7/18/05  |          |          | ŀ        |              |                 |                | ı               |          | ii<br>c  | <u> </u>  | Original |           |           | - 1       |          | -         |                         |              |        |     | Final                  | Original   |          |                 |          |          |          |          |           |           |           |
| -     | Ō        | ~        |          |          |          |              |                 |                |                 |          | "        | -         | Ō        |           |           |           |          |           | -                       |              |        |     | "                      | ō          |          |                 |          |          |          |          |           |           | l         |
|       | 1        | 7        |          |          |          |              |                 |                |                 |          |          |           | 51       |           |           | 寸         | ┪        | 7         | 7                       | 7            | 1      | 1   |                        | 101        |          | $\vdash$        | _        | Г        | _        |          | H         | $\exists$ |           |
|       | 2        | 11       |          |          |          |              |                 |                |                 |          |          | $\Box$    | 52       |           |           |           | $\Box$   |           |                         |              |        | ]   |                        | 102        |          |                 |          |          |          |          |           |           |           |
|       | 3        | =        | Ш        |          | <u> </u> | L.           | ↓_              | <u> </u>       | L               | Ц        |          | _         | 53       |           |           |           | _        | $\perp$   |                         |              |        |     |                        | 103        |          |                 |          |          |          |          |           |           |           |
|       | 4        | 1        | $\sqcup$ |          |          |              | _               |                | _               | Ш        | <u> </u> | 4         | 54       |           |           | 4         | 4        | _         | _                       | 4            |        |     |                        | 104        |          | Ш               |          |          |          | _        |           |           |           |
| H     | 5        | 7-       | -        | _        | _        | -            | <b>├</b>        | -              | _               | -        | -        | 4         | 55       |           | _         | 4         | 4        | 4         |                         | 4            | -      | Į   | <u> </u>               | 105        | <u> </u> | Ш               |          |          |          |          | _         |           | ·         |
|       | <u>6</u> | 1        | $\dashv$ |          | -        | ⊢            | ⊢               | <del>  .</del> | -               | Н        | $\vdash$ | +         | 56<br>57 |           | $\dashv$  | $\dashv$  | +        |           | +                       | +            |        | -   |                        | 106<br>107 | ⊩        | Н               |          |          |          | $\vdash$ |           |           | <u> </u>  |
|       | 8        | 1        | $\vdash$ |          |          | -            | -               | $\vdash$       | -               | Н        | $\vdash$ | $\dashv$  | 58       | $\dashv$  |           | $\dashv$  | +        | +         | - -                     | +            | - -    | ┨   |                        | 107        | -        | ⊦⊣              |          |          | _        | _        | -         | $\dashv$  | _         |
|       | 9        | Ť        | $\dashv$ | _        |          | ┢            | H               | -              | -               | H        | -        | +         | 59       |           | $\dashv$  | +         | +        | $\dashv$  | ╅                       | +            | +      | 1   |                        | 109        | -        | Н               | -        |          |          | -        |           | $\dashv$  | _         |
|       | 10       |          |          | _        |          |              |                 | $\vdash$       |                 |          |          | 7         | 60       |           | 1         |           | 7        | $\dashv$  | 十                       | +            | $\top$ | 1   |                        | 110        | -        | $\vdash$        | -        |          |          |          | $\vdash$  | $\dashv$  | _         |
|       | 11       |          |          |          |          |              |                 | Γ              |                 |          |          | 7         | 61       |           | $\neg$    |           | $\dashv$ | $\top$    | $\top$                  | 7            | $\top$ | 1   |                        | 111        |          |                 |          |          |          |          | $\exists$ | $\neg$    |           |
|       | 12       |          |          |          |          |              |                 |                |                 |          |          | $\Box$    | 62       |           |           |           |          |           |                         |              |        | ]   |                        | 112        |          |                 |          |          |          |          |           |           |           |
|       | 13       | Ц        | Ш        |          |          |              |                 | L              |                 | $\Box$   |          | _[        | 63       |           |           | $\supset$ | $\perp$  | $\perp$   | $\prod$                 | I            |        | ]   |                        | 113        |          | Ш               |          |          |          |          |           |           |           |
| L     | 14       | Щ        | -        | _        | ļ.,      | $oxed{oxed}$ | $\vdash$        | <u> </u>       | $\sqcup$        | $\Box$   | <u> </u> | 4         | 64       | _         | _         | $\dashv$  | $\perp$  |           | _ _                     | $\downarrow$ |        |     |                        | 114        | L        | Ш               |          |          |          |          | $\Box$    |           | _         |
|       | 15<br>16 |          | $\dashv$ | _        |          | <u> </u>     |                 | <u> </u>       | $\vdash$        | $\dashv$ | <u> </u> | 4         | 65       | $\dashv$  | _         | $\dashv$  | -        | -         | -                       | $\downarrow$ | -      | -   |                        | 115        | <u> </u> | $\square$       |          | Щ        | Щ        | Ш        | $\sqcup$  | _         |           |
|       | 17       |          | -        |          | Н        | $\vdash$     | ├-              | -              | $\vdash$        | $\dashv$ | -        | +         | 66<br>67 | $\dashv$  | -         |           | 4        | 4         | - -                     | +            | +      | 1   |                        | 116        | <u> </u> | $\vdash$        |          |          |          | Щ        | _         | 4         | —         |
|       | 18       |          | $\dashv$ | -        | _        | -            | ├               | ⊢              | Н               | $\dashv$ | -        | +         | 68       | $\dashv$  | $\dashv$  | $\dashv$  | +        | -+        | -                       | ╁            | ╬      | 1   |                        | 117<br>118 | _        | $\vdash$        | _        | -        | _        | Н        | 4         |           | _         |
|       | 19       |          | $\dashv$ | $\dashv$ | -        |              | H               | -              | Н               | $\dashv$ | $\vdash$ | $\dashv$  | 69       | $\dashv$  | $\dashv$  | $\dashv$  | +        | +         | +                       | +            | +      | 1   | $\vdash$               | 119        |          | $\vdash$        | -        | $\vdash$ |          | -        | -         |           |           |
|       | 20       |          | $\dashv$ | $\neg$   |          |              |                 |                | Н               | ヿ        |          | 7         | 70       | $\dashv$  | $\dashv$  | $\dashv$  | $\dashv$ | +         | +                       | +            | +-     | 1   | $\vdash$               | 120        | _        | $\vdash$        |          | -        |          | $\vdash$ | -         | $\dashv$  |           |
|       | 21       |          | 7        |          |          |              | T               | $\vdash$       | П               | $\neg$   |          | 寸         | 71       |           | _         | $\top$    | +        | 十         | +                       | 十            |        | 1   |                        | 121        | -        | $\vdash$        | _        |          | $\neg$   |          |           | ⇥         | _         |
|       | 22       |          |          |          |          |              | Г               |                |                 | ╗        |          | ┪         | 72       | T         | $\neg$    | $\neg$    | $\top$   | +         | $\top$                  | $\top$       | $\top$ | 1   |                        | 122        |          | П               |          |          |          |          | $\dashv$  | $\dashv$  |           |
|       | 23       |          |          |          |          |              |                 |                |                 |          |          | $\Box$    | 73       |           |           |           | Т        |           |                         | 1            | 1-     | 1   |                        | 123        |          | П               |          |          |          |          |           | $\neg$    |           |
|       | 24       |          |          |          |          |              |                 |                |                 |          |          | $\perp$   | 74       |           |           |           | $\Box$   | $\Box$    | $\perp$                 | Ι            |        | ]   |                        | 124        |          |                 |          |          |          |          |           |           |           |
|       | 25       | _        |          |          |          |              |                 | _              | Ш               | _        |          |           | 75       | _         | _         | _         | $\perp$  |           |                         |              |        | ] : |                        | 125        |          |                 |          |          |          |          |           |           |           |
|       | 26       |          | $\dashv$ | -        | _        |              | ┞               | <u> </u>       | Н               | _        | <u> </u> |           | 76       | 4         | _         | 4         | $\perp$  | _         | 4                       | _            | $\bot$ | Į   |                        | 126        | L.,      | Ш               |          |          |          |          | _         | _         |           |
|       | 27<br>28 | -        | -        | 4        |          |              | <u> </u>        | -              | $\vdash$        | $\dashv$ | -        |           | 77<br>78 | -         | -         | +         |          | +         | -                       | +            | ┿      |     |                        | 127        |          | -               |          |          | -        |          | _         | _         |           |
|       | 29       |          | $\dashv$ | -        | $\dashv$ |              | $\vdash$        | $\vdash$       | $\vdash$        | $\dashv$ | -        |           | 79       | ┥         | $\dashv$  | +         | +        | +         | +                       | ╀            | +      | 1   |                        | 128<br>129 |          | $\vdash$        |          | _        | $\dashv$ | _        | -         |           |           |
|       | 30       | -        | $\dashv$ | ᅥ        | $\dashv$ |              | ┢               | $\vdash$       | Н               | ᅱ        | $\vdash$ |           | 80       | -         | +         | +         | +        | +         | ╁                       | ┿            |        | ł   |                        | 130        | _        | $\vdash$        | -        | $\dashv$ | $\dashv$ | -        | $\dashv$  | $\dashv$  |           |
|       | 31       | _        | 寸        |          |          |              | $\vdash$        | $\vdash$       | Н               | $\dashv$ |          |           | 81       | $\dashv$  | $\dashv$  | +         | +        | ╁         | ╅                       | ╈            | +-     | 1   |                        | 131        | _        | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\vdash$ | -         | $\dashv$  | -         |
|       | 32       |          |          | T        | $\neg$   |              |                 |                | П               | 1        |          |           | 82       | $\exists$ | 寸         | $\dashv$  | $\dashv$ | +         | $\top$                  | $\dagger$    | +      | 1   |                        | 132        |          | Н               |          |          |          |          |           | $\dashv$  | _         |
|       | 33       |          |          |          |          |              |                 |                | П               |          |          |           | 83       |           | $\exists$ |           | $\top$   | $\top$    | $\top$                  | $\top$       |        | 1   |                        | 133        |          | Ħ               |          |          |          | $\neg$   | -         | ヿ         |           |
|       | 34       |          |          |          |          |              |                 |                |                 |          |          |           | 84       |           | $\Box$    | $\Box$    |          | $oxed{T}$ | $\perp$                 | Ι            |        | ]   |                        | 134        |          |                 |          |          |          |          |           |           |           |
|       | 35       | _        | $\perp$  | _        | $\Box$   |              | Щ               | L              | Ш               | _        |          |           | 85       | 耳         |           | $\perp$   | $\perp$  | $\perp$   | $\perp$                 | $\perp$      | 1      | ]   |                        | 135        |          | $\square$       |          |          |          |          |           |           |           |
|       | 36       |          | 1        | _        | $\dashv$ | Щ            | _               | _              | $\square$       | _        | $\vdash$ |           | 86       | _         | _         | $\bot$    | $\perp$  | $\bot$    | $\perp$                 | $\perp$      | 4_     |     | $\sqcup \sqcup$        | 136        |          | Щ               | _        | $\Box$   | [        | $\Box$   | $\Box$    |           |           |
|       | 37<br>38 | -        | $\dashv$ | $\dashv$ |          |              | $\vdash$        | $\vdash$       | $\vdash \vdash$ | -        | _        |           | 87       |           | 4         | +         | -        | +         | +                       | +            | +      | {   | $\vdash$               | 137        | _        | $\sqcup$        | $\dashv$ |          | -        |          | $\dashv$  | _         | _         |
|       | 38       | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\vdash$     |                 | ⊢              | $\vdash \vdash$ | $\dashv$ | -        |           | 88<br>89 | $\dashv$  | $\dashv$  | -+        | +        | +         | - -                     | +            | +-     |     | $\vdash \vdash \vdash$ | 138        | _        |                 | 4        | -        | _        |          |           | 4         | _         |
|       | 40       | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\vdash$     | -               | $\vdash$       | $\vdash \vdash$ | $\dashv$ | $\vdash$ |           | 90       | $\dashv$  | $\dashv$  | +         | -        | +         | +                       | +            | +      |     | $\vdash\vdash\vdash$   | 139<br>140 |          | $\vdash$        | -        | -        | $\dashv$ |          | -+        | -         | _         |
|       | 41       | $\dashv$ | 十        | $\dashv$ | -        | $\vdash$     |                 | <u> </u>       | $\vdash$        | $\dashv$ | $\vdash$ |           | 91       | +         | -         | +         | +        | +         | +                       | +            | +      |     | <b> </b>               | 141        |          | $\vdash \vdash$ |          |          | -        |          | $\dashv$  | $\dashv$  | _         |
|       | 42       | _        | 十        | -        | $\dashv$ |              |                 |                | $\vdash$        | $\dashv$ | $\vdash$ | $\dagger$ | 92       | -         | 一         | +         |          | +         | +                       | 十            | +      | 1   | $\vdash$               | 142        |          | $\vdash \vdash$ | $\dashv$ |          |          | $\dashv$ | -         | $\dashv$  | $\dashv$  |
|       | 43       |          | $\dashv$ | 7        | 一        |              |                 | П              | П               |          |          | $\dagger$ | 93       | $\neg$    | $\dashv$  | $\neg$    | 十        | $\top$    | ┰                       | †            | $\top$ | 1   |                        | 143        |          | $\vdash \vdash$ | ᅥ        | $\dashv$ | ᅱ        | $\dashv$ | $\dashv$  | ᅱ         | $\dashv$  |
|       | 44       |          |          |          |          |              |                 |                |                 |          |          |           | 94       | 一         | 丁         |           | $\top$   | $\top$    | $\top$                  | 十            | 1      |     |                        | 144        |          |                 |          | $\dashv$ |          | $\dashv$ | 一         | $\dashv$  | $\neg$    |
|       | 45       |          |          | $\Box$   |          |              |                 |                |                 |          |          | T         | 95       |           | J         |           |          | 丁         |                         | I            |        | ]   |                        | 145        |          | П               |          |          |          |          | $\dashv$  | $\dashv$  | $\exists$ |
| ]     | 46       | $\Box$   | $\Box$   | $\Box$   | $\Box$   |              |                 |                |                 |          |          | $\top$    | 96       |           |           |           |          |           |                         | Ι            |        | ]   |                        | 146        |          |                 |          |          |          |          |           | $\neg$    | ┪         |
|       | 47       | $\dashv$ | $\dashv$ | _        | _        | $\sqcup$     | Щ               | Щ              | Ш               |          |          |           | 97       | ⅃         | $\Box$    | $\perp$   | $\bot$   | T         | $oldsymbol{\mathbb{L}}$ |              |        |     |                        | 147        |          |                 |          |          |          |          | $\Box$    |           |           |
|       | 48       | 4        | 4        | 4        | _        | $\sqcup$     | $\vdash \vdash$ | Щ              | $\sqcup$        | $\dashv$ |          | _         | 98       | _[        | _[        | 1         |          |           | $\perp$                 | 1            | 4_     |     | ]                      | 148        |          | П               |          | $\Box$   |          |          | $\Box$    |           |           |
|       | 49<br>50 |          | $\dashv$ | 4        | 4        | $\dashv$     | $\vdash$        | $\vdash$       | $\sqcup$        | _        |          |           | 99       | _         | _         | 4         | 4        | _         | $\perp$                 | 4            | 4_     |     |                        | 149        |          | $\sqcup$        |          | $\Box$   |          |          | [         | $\Box$    |           |
|       | 50       |          |          |          |          |              | ш               | لـــا          | Ш               |          |          |           | 100      | 1         |           |           | Д.       | $\perp$   |                         | 1_           |        | J I |                        | 150        |          | LL              |          |          |          | $\perp$  |           |           | $\Box$    |